

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 19059
Application ID: 10065462
Title of Invention: A METHOD AND SYSTEM FOR
IMAGE IMPROVEMENT WITH ECG
GATING AND DOSE REDUCTION
IN CT IMAGING
First Named Inventor: Shankara Reddy
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-10-21
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 124611
Digital Certificate Holder: cn=James J. Merrick, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: 1PQj2s+7aKeyaHDX3MXflw==
Total Fees Authorized: \$1320.0
Payment Category: DA - Deposit Account
Deposit Account Number: 61130
Deposit Account Name: James J. Merrick



TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent
Filing

Attorney Docket
Number:



A METHOD AND SYSTEM FOR IMAGE IMPROVEMENT WITH ECG GATING AND DOSE REDUCTION IN CT IMAGING

First Named Inventor: Shankara Bonthu Reddy

SUBMITTED BY

Name:	James J. Merrick
Registration Number:	43,801
Electronic Signature Mark: Jim Merrick	Date Signed: 20021021

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	Declar1_pg1.tif
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declaration	Declar1_pg2.tif
declaration	Declar1_pg3.tif
declaration	Declar2_pg1.tif
declaration	Declar2_pg2.tif
declaration	Declar2_pg3.tif
bibd-transmittal	Epaveapds.xml
patent-assignments	Epaveasgn.xml
specification	Application_124611.xml
fee-transmittal	Epavefee.xml

Attached Image File(s):

Declar1_pg1.tif
Declar1_pg2.tif
Declar1_pg3.tif
Declar2_pg1.tif
Declar2_pg2.tif
Declar2_pg3.tif

Comments:

GE Docket No. 124611

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **A METHOD AND SYSTEM FOR IMAGE IMPROVEMENT WITH ECG GATING AND DOSE REDUCTION IN CT IMAGING**, the specification of which:

☒ is attached hereto.
 _____ was filed on _____ as Application Serial No. _____
 and was amended on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, U.S.C. §119 of any foreign application for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 37 U.S.C. 119
			Yes No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SER. NO.	APPLICATION SER. NO.	FILING DATE	STATUS (patented, pending, abandoned)


GE Docket No. 124611

I hereby appoint Carl Horton (Reg. No. 34,622), Peter J. Vogel (Reg. No. 41,363), and Michael Della Penna, (Reg. No. 45,697), all of GE Medical Systems Global Technology Company, LLC, 3000 North Grandview Blvd., Waukesha, Wisconsin 53188; Ronald E. Myrick, (Reg. No. 26,315), Henry J. Policinski, (Reg. No. 26,621), Jay L. Chaskin, (Reg. No. 24,030), James W. Mitchell, (Reg. No. 25,602), Catherine Winter, (Reg. No. 38,364) and Scott R. Hayden, (Reg. No. 41,821) all of General Electric Company, 3135 Easton Turnpike, Fairfield, CT 06431-0001; and all attorneys and agents associated with Customer No. 023413, jointly, and each of them severally, my attorneys, with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith.

I hereby direct that all correspondence and telephone calls in connection with this application be addressed to Philmore H. Colburn II (Reg. No. 35,101), of Cantor Colburn LLP, 55 Griffin Road South, Bloomfield, CT 06002, phone: (860) 286-2929, fax: (860) 286-0115.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that all such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first joint inventor: Shankara Bonthu Reddy

Inventor's signature:  Date: 18-Oct-2007
Residence: W75 N766 Tower Avenue, Cedarburg, WI 53012
Citizenship: USA
Post Office Address: W75 N766 Tower Avenue, Cedarburg, WI 53012

Full name of second joint inventor: Priya Gopinath

Inventor's signature: _____ Date: _____
Residence: 12K Garden Terrace, North Arlington, NJ 07031
Citizenship: India
Post Office Address: 2K Garden Terrace, North Arlington, NJ 07031

GE Docket No. 124611

Full name of third joint inventor: Kishore C. Acharya

Inventor's signature: Kishore C. Acharya Date: 10/21/02

Residence: 1325 Ridgeway Road, Brookfield, WI 53045

Citizenship: India

Post Office Address: 1325 Ridgeway Road, Brookfield, WI 53045

Full name of fourth joint inventor: Jianying Li

Inventor's signature: Jianying Li Date: 10/18/02

Residence: 3635 S. McIntosh Ct., New Berlin, WI 53151

Citizenship: USA

Post Office Address: 3635 S. McIntosh Ct., New Berlin, WI 53151

GE Docket No. 1246

COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled. **A METHOD AND SYSTEM FOR IMAGE IMPROVEMENT WITH ECG GATING AND DOSE REDUCTION IN CT IMAGING**, the specification of which:

☒ is attached hereto.
 ___ was filed on ___ as Application Serial No. ___
 and was amended on _____ (if applicable)

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			<input type="checkbox"/> Yes <input type="checkbox"/> No

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APPLICATION SER. NO.	APPLICATION SER. NO.	FILING DATE	STATUS (patented, pending, abandoned)

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Full name of sole or first joint inventor: Shankara Bonthu Reddy

Inventor's signature: _____ Date: _____
 Residence: W75 N766 Tower Avenue, Cedarburg, WI 53012
 Citizenship: USA
 Post Office Address: W75 N766 Tower Avenue, Cedarburg, WI 53012

Full name of second joint inventor: Priya Gopinath

Inventor's signature: Priya G. Date: 10/20/01
 Residence: 12K Garden Terrace, North Arlington, NJ 07031
 Citizenship: India
 Post Office Address: 2K Garden Terrace, North Arlington, NJ 07031

GE Docket No. 1246

Full name of third joint inventor: Kishore C. Acharya

Inventor's signature: _____ Date: _____

Residence: 1325 Ridgeway Road, Brookfield, WI 53045

Citizenship: India

Post Office Address: 1325 Ridgeway Road, Brookfield, WI 53045

Full name of fourth joint inventor: Jianying Li

Inventor's signature: _____ Date: _____

Residence: 3635 S. McIntosh Ct., New Berlin, WI 53151

Citizenship: USA

Post Office Address: 3635 S. McIntosh Ct., New Berlin, WI 53151

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 1320

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1130



Deposit Account Name: Cantor Coiburn LLP

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

SUBMITTED BY

Authorized Name: James J. Merrick

Electronic Signature Mark: Jim Merrick

Date Signed: 20021021

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	1001	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 36	1202	\$ 18	16	\$ 288
Independent Claims: 6	1201	\$ 84	3	\$ 252

Subtotal For Extra Claims Fees: \$ 540

$$\begin{aligned} \text{iii)} & \quad \frac{\partial}{\partial t} \left(\frac{1}{r^2} \right) = -\frac{2}{r^3} \frac{\partial r}{\partial t} = -\frac{2}{r^3} v_r \\ \text{iv)} & \quad \frac{\partial}{\partial t} \left(\frac{1}{r^2} \right) = -\frac{2}{r^3} \frac{\partial r}{\partial t} = -\frac{2}{r^3} v_r \end{aligned}$$

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 40